

## FCI's New Applications Guide Describes Proven Solutions for Nuclear Power Generation Industry



**San Marcos, CA**—A new applications guide from Fluid Components International describing level, flow and temperature instrumentation solutions for the nuclear power industry provides invaluable information to engineers looking for highly reliable instrumentation to assist in the delivery of today's most competitive power resource.

FCI's new brochure helps utility design engineers, nuclear plant engineers and operators drive down instrumentation costs while increasing safety, reducing maintenance levels, growing plant performance and labor efficiency, and helps meet the latest nuclear plant operating strategies. For over 30 years, FCI has provided unique expertise to the nuclear power industry, which has helped to deliver both cost and time savings during all phases of plant construction and operation.

The free Nuclear Power Utility Applications Guide is now available for [download](#) on FCI's website. The guide details FCI's commitment to the nuclear power industry since 1978 and provides information on the FCI Instrumentation Advantage—FCI makes it possible to reduce instrumentation, power, wiring, cabling and installation with multi-variable sensors. FCI's inherently dual-function thermal dispersion instruments provide both level and temperature, or flow and temperature outputs with only one sensor. FCI's multi-variable sensing technology reduces the requirements for purchasing, installing, powering, maintaining and documenting additional instruments.

FCI understands the complex requirements and guidelines of the nuclear power industry, demonstrating years of experience and commitment. FCI products meet nuclear industry application requirements from crib house intake to containment to balance-of-plant applications.

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FCI products meet the harsh operating environment requirements detailed in IEEE 323, IEEE 344, IEEE 382; Class 1E Seismic Category 1. FCI Quality Assurance meets 10CFR50 Appendix B and complies with 10CFR21, ANSI N45.2 and NQA-1. FCI products are also compliant with software quality control standard DO178 and are capable of meeting new and emerging nuclear industry software QC and digital I&C standards applicable to microcomputer-based instrumentation. FCI is ISO 9001 certified. Manufacturing processes comply with NUPIC and NIAC and an in-house item dedication program is maintained.

FCI has products operating in more than 30 applications in over 115 nuclear power plants. Providing flow sensor solutions for line sizes ranging from 1/8 inch to the largest stacks and ducts, FCI's robust products have MTBF ratings in excess of 100 years, SIL-2 ratings and an exacting specification of nuclear plant certification pedigrees.

FCI has a proven track record in the nuclear power industry as well as a technological advantage over competitors. No-moving-parts thermal dispersion instruments are virtually maintenance free and require little more than an occasional wipe down. FCI's fail-safe technology means an increase in reliability, tangible savings, and plant integrity.

Level, flow and temperature detection is critical to multiple processes within every nuclear plant operation including the integrity of pumps, turbines, valves, cooling systems, process off-gases and HVAC systems. FCI allows nuclear plants to meet operating objectives including diversity, redundancy and independence, and makes it possible to save time and money while meeting the highest safety standards.

Fluid Components International is a global company committed to meeting the needs of its customers through innovative solutions to the most challenging requirements for sensing, measuring and controlling level, flow and temperature of air, gases, and liquids.

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